SEQUENCE LISTING

| \ | |
|---|----|
| <110> SUNTORY LIMITED | |
| <120> Light Repressible Promoter | |
| <130> YCT-483 | |
| <150> JP Hei 1\(-66551\) | |
| <151> 1999-3-12 | |
| <160> 40 | |
| <210> 1 | |
| <211> 12 | |
| <212> DNA | |
| <213> Pisum sativum cv. Alaska \ | |
| <223> Nucleotide sequence for a core region of light repressible | |
| promoter from the pea small GPPase gene | |
| <400> 1 | |
| ggattttaca gt | 12 |
| | |
| <210> 2 | |
| <211> 93 | |
| <212> DNA \ | |
| <213> Pisum sativum cv. Alaska | |
| <223> Nucleotide sequence for a cis element of light repressible | |
| promoter from the pea small GTPase gene | |
| <400> 2 | cc |
| aaaagtaaca catattttga taaatttatt actaaaacta\ttttctagta cttgttaatc | 60 |
| atgtctgagg attttacagt aataaagaaa cga | 93 |
| | |
| <210> 3 | |
| <211> 2325 | |

<212> DNA

<213> pisum sativum cv. Alaska

<223> Nucleotide sequence for a light repressible promoter from the pea small GTPase gene

<400> 3

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<210> 4

<211> 30

<212> DNA

<213> Artificial Sequence

<223> Primer used in Example 1

<400> 4

acggttgttg aattaccggt gttaatagag

30

<210> 5

<211> 22

<212> DNA

<213> Artificial Sequence

<223> NcoI primer used in Example 3

| | <400> 5 | |
|---|--|----|
| | ggtccatggt cttgtcaaga tc | 22 |
| | | • |
| | <210> 6 | |
| | <211> 21 | |
| | <212> DNA | |
| | <213> Artificial Sequence | |
| | <223> Primer used for preparing PL1 in Example 3 | |
| | <400> 6 | |
| | gggaagcttt aaaggcaagg g | 21 |
| | | |
| | <210> 7 | |
| ենչատ Կառի ֆիր դերբի կորի հիմաս մահորի հետո | <211> 23 | |
| | <212> DNA | |
| <u>.</u> | <213> Artificial Sequence | |
| e E | <223> Primer used for preparing PL3 in Example 3 | |
| A . | <400> 7 | 23 |
| Lant Hard Harm Mr. | acgtaaagct taaaaattca ccc | 23 |
| | <210> 8 | |
| | <211> 25 | |
| | <212> DNA | |
| | <213> Artificial Sequence | |
| | <223> Primer used for preparing PL4 in Example 3 | |
| | <400> 8 | |
| | aaataaagct taaaagtaac acata | 25 |
| | | |
| | <210> 9 | |
| | ∠911\ 97 | |

| • | |
|---|----|
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing PL4B in Example 3 | |
| <400> 9 | |
| gtactgcagt cagacatgat taacaag | 27 |
| | |
| <210> 10 | |
| <211> 24 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing PL5 in Example 3 | |
| <400> 10 | 24 |
| aaagaagctt ggtagcccaa acaa | 24 |
| < 2010 \ 11 | · |
| <210> 11 <211> 30 | |
| <212> DNA | • |
| <213> Artificial Sequence | |
| <223> Primer used for preparing LS1 in Example 3 | |
| <400> 11 | |
| aagcttctgc agggatttta cagtaataaa | 30 |
| | |
| <210> 12 | |
| <211> 35 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing LS2 in Example 3 | |
| <400> 12 | |
| aagcttgtct gactgcagta cagtaataaa gaaac | |

| <210> 13 | |
|---|----|
| <211> 42 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing LS3 in Example 3 | |
| <400> 13 | |
| aagcttgtct gaggatttct gcagaataaa gaaacgaggt ag | 42 |
| | |
| <210> 14 | |
| <211> 48 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing LS4 in Example 3 | |
| <400> 14 | |
| aagcttgtct gaggatttta cagtctgcag gaaacgaggt agcccaaa | 48 |
| | |
| <210> 15 | |
| <211> 52 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing LS5 in Example 3 | |
| <400> 15 | 52 |
| aagcttgtct gaggatttta cagtaataaa ctgcagaggt agcccaaaca ag | JZ |
| Z010\ 16 | |
| <210> 16 | |
| <211> 30 | |
| <212> DNA | |
| ///// A | |

| <223> Primer used for preparing PL2 in Example 3 | |
|--|----|
| <400> 16 | |
| tcaatgggac acgctgcctg accaccatgt | 30 |
| | |
| <210> 17 | |
| <211> 31 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> pUC19 primer used in Example 3 | |
| <400> 17 | |
| ggcgtaatca tggtcatagc tgtttcctgt g | 31 |
| | |
| <210> 18 | |
| <211> 30 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing PL6 in Example 3 | |
| <400> 18 | |
| tgtcggtgca aaaaatgaaa ccccaaactt | 30 |
| | |
| <210> 19 | |
| <211> 30 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing PL7 in Example 3 | |
| <400> 19 | |
| aatgtttatc ccttgcacac atttcacatc | 30 |
| | |
| <210> 20 | |

| <211> 25 | |
|---|----|
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing PL8 in Example 3 | |
| <400> 20 | |
| gcaaaacatc acaacctcta gaaac | 25 |
| | |
| <210> 21 | |
| <211> 39 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer used for preparing PL4c in Example 3 | |
| <400> 21 | |
| gtttggctgc agtcgtttct ttattactgt aaaatcctc | 39 |
| | |
| <210> 22 | |
| <211> 39 | |
| <212> DNA <213> Artificial Sequence | |
| <223> Primer used for preparing PL4C in Example 3 | |
| <400> 22 | |
| caatactgca gtatatgtta tgatataata tgatgcagc | 39 |
| Caataothaa Baataohaa igasaa aa igasaa a | |
| <210> 23 | |
| <211> 25 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> gF primer used for preparing gF1 in Example 3 | |
| ×400\ 92 | |

| | tactgcagaa aagtaacaca tattt | 25 |
|-----------------------|--|-----|
| | <210> 24 | |
| | <211> 31 | |
| | <212> DNA | |
| | <213> Artificial Sequence | |
| | <223> Primer used for preparing gF1 in Example 3 | |
| | <400> 24 | |
| | tggtgatatt gtttagatat catattattg c | 31 |
| | | |
| | <210> 25 | |
| | <211> 24 | |
| j | <212> DNA | |
| i -i ID | <213> Artificial Sequence | |
| | <223> Primer used for preparing GF2 in Example 3 | |
| ᆂ | <400> 25 | 0.4 |
| | atgatatcca agggatttgg aaat | 24 |
| | | |
| | <210> 26 | |
| | <211> 26 | |
| | <212> DNA | |
| | <213> Artificial Sequence | |
| | <223> Primer used for preparing GF3 in Example 3 | |
| | <400> 26 | 26 |
| | gtgatatcgg gataaacatt ttaagg | 20 |
| | <210> 27 | |
| | <211> 24 | |
| | <212> DNA | |
| | | |

| <213> Artificial Sequence | |
|--|-----|
| <223> Primer used for preparing GF4 in Example 3 | |
| <400> 27 | |
| ttgatatccc gacaaagatc acac | 24 |
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| <210> 28 | |
| <211> 24 | |
| <212> DNA | |
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| <400> 28 | |
| gggatatctc gtttctttat tact | 24 |
| | |
| <210> 29 | |
| <211> 31 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Synthetic DNA WT1 used in Example 8 | |
| <400> 29 | 01 |
| gtctgaggat tttacagtaa taaagaaacg a | 31 |
| | |
| <210> 30 | |
| <211> 31 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Synthetic DNA WT2 used in Example 8 | |
| <400> 30 | 0.1 |
| tcgtttcttt attactgtaa aatcctcaga c | 31 |

| <210> 31 | |
|--|----|
| <211> 31 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Synthetic DNA MT1 used in Example 8 | |
| <400> 31 | |
| gtctgaggct tttcccgtaa taaagaaacg a | 31 |
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| <210> 32 | |
| <211> 31 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Synthetic DNA MT2 used in Example 8 | |
| <400> 32 | |
| tcgtttcttt attacgggaa aagcctcaga c | 31 |
| | |
| <210> 33 | |
| <211> 55 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer 35S46UP used in Example 9 | |
| <400> 33 | 55 |
| aagcttggat ccctcgagct gcaggatatc gcaagaccct tcctctatat aagga | 00 |
| | |
| <210> 34 | |
| <211> 30 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| 7000 Drimar V705CDW used in Evample 9 | |

| | <400> 34 | |
|-----------------|---|----|
| | ttccatggaa agctgcctag gagatcctct | 30 |
| | | |
| | <210> 35 | |
| | <211> 54 | |
| | <212> DNA | |
| | <213> Artificial Sequence | |
| | <223> Origonucleotide WT3 used in Example 9 | |
| | <400> 35 | |
| | tgaggatttt acagtaattg aggattttac agtaattgag gattttacag taat | 54 |
|] | | |
| 4 1 1 1 1 1 1 1 | <210> 36 | |
| T | <211> 53 | |
| i. D | <212> DNA | |
| 4 | <213> Artificial Sequence | |
| å. | <223> Origonucleotide WT4 used in Example 9 | |
| rå i İ | <400> 36 | |
| | attactgtaa aatcctcaat tactgtaaaa tcctcaatta ctgtaaaatc tca | 53 |
| ,,, , | | |
| | <210> 37 | |
| | <211> 26 | |
| | <212> DNA | |
| | <213> Artificial Sequence | |
| | <223> Primer 18X9RMDW used in Example 9 | |
| | <400> 37 | |
| | gcgatatcct ggatcctgag gatttt | 26 |
| | | |
| | <210> 38 | |
| | <211> | |

| <212> DNA | |
|---|------------|
| <213> Artificial Sequence | |
| <223> Primer 18X9RMUP used in Example 9 | |
| <400> 38 | |
| agcggccgcc agtgtggata tcattactgt | 30 |
| | |
| <210> 39 | |
| <211> 54 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer MT3 used in Example 9 | |
| <400> 39 | • |
| tgaggetttt eccgtaattg aggettttee egtaattgag getttteeg taat | 54 |
| | |
| <210> 40 | |
| <211> 54 | |
| <212> DNA | |
| <213> Artificial Sequence | |
| <223> Primer MT4 used in Example 9 | |
| <400> 40 | 5 4 |
| attacgggaa aagcctcaat tacgggaaaa gcctcaatta cgggaaaagc ctca | 54 |